BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Desilting of Existing Storm Water Drains in ward No 8

Job Code:- 008-18-000045

Est Cost: =35.00Lakhs

Sl. No.	Description of work	Unit	No.	Length m	Breadth m	Depth m	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB M200-15.2. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. iii) Dismantling Stone Masonry B. Rubble Stone maonry in cement mortar (P.No.140, I.No.18.27 of PW,P&IWTD SR 2018-19)								
	Damaged SSM	Cum							
	Near Kodigehalli Smashana		2	144.00	0.45	0.23	29.81		
	Solid Block								
	Parikarma Centre For Learning								
			2	100.00	0.15	1.00	30.00		
							59.81	**372.06**	**22252.00**
							Basic rate	**351.00**	
							Area Weightage 6%	**21.06**	
							Total	**372.06**	
2	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No. 139, I.No. 18.18 of CSR 2018-19)								
	Near Kodigehalli Smashana	Cum							
	Top Slab Dismantling		1	80.00	1.50	0.15	18.00		
							18.00	699.42	**12589.56**
	Basic rate	**557.00**							
	Loading and unloading with 20km lead= 57+2.0x1.3x20	**109.00**							
	Area Weightage 6%	**33.42**							
	Sub Total	**699.42**							
	Total	**699.42**							
3	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)								
	Drain Desilt	Cum							
	Near Kodigehalli Smashana		1	144.00	0.60	0.50	43.20		
							43.20	**252.49**	**10907.65**
							Basic rate	**130.00**	
				Loading and unloading with 20km lead= 57+2.0x1.28x20 = 108.2				**108.20**	
							Area Weightage 6%	14.29	
							Total	**252.49**	
4	KSRB 5.2-3: Providing and constructing **granite size stone masonry** in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (using available stones) (P.No.25, I.No.5.6 of PW, P&IWTD S.R 2018-19)								
	Reuseing of SSM	Cum							

	Near Kodigehalli Smashana		2	25.00	0.45	0.45	10.13		
							10.13	3176.18	32158.86
							Basic Rate	4596.00	
							Deduct Boulders rate (100*13)	1333.00	
							deduct contractor profit	-133.30	
							deduct overhead charges	-133.30	
							Arrived Rate	2996.40	
							Area Weightage 6%	179.78	
							Total	3176.18	
5	KSRB 5.2-3: Providing and constructing **granite size stone masonry** in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.25, I.No.5.6 of PW, P&IWTD S.R 2018-19)								
	SSM Drain / Flagging	Cum							
	Near Kodigehalli Smashana		2	144.00	0.45	0.60	77.76		
	Parikarma Centre For Learning		2	100.00	0.45	1.10	99.00		
	Chainage 0-100								
	Deductions								
	Pole		-100	0.45	0.45	0.23	-4.66		
							172.10	4871.76	838442.08
							Basic rate	4596.00	
							Area Weightage 6%	275.76	
							Total	4871.76	
6	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.115, I.No.15.1 of PW, P&IWTD S.R 2018-19)								
	SSM Drain / Flagging	Sqm							
	Near Kodigehalli Smashana		2	144.00		0.60	172.80		
	Parikarma Centre For Learning		2	100.00		1.10	220.00		
	Chainage 0-100								
							392.80	149.46	58707.89
							Basic rate	141.00	
							Area Weightage 6%	8.46	
							Total	149.46	
7	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No.4.6 of PW,P&IWTD S.R 2018-19)								
	Coping	Cum							
	Near Kodigehalli Smashana		2	144.00	0.45	0.10	12.96		
	Parikarma Centre For Learning		2	100.00	0.45	0.10	9.00		
	Chainage 0-100								
	Deductions								
	Pole		-100	0.45	0.45	0.10	-2.03		
							19.94	5747.32	114572.82
							Basic rate	5422.00	
							Area Weightage 6%	325.32	
							Total	5747.32	

8	*Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No.266 I.No.37.2 of PW,P&IWTD SR of 2018-19)*								
	Chain Link Fencing	*m*							
	Parikarma Centre For Learning	*2*	*50*	*2.00*	*--*	*--*	***200.00***		
							200.00	***910.54***	***182108.00***
							Basic rate	*859.00*	
							Area Weightage 6%	*51.54*	
							Total	***910.54***	
9	*Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No.266 of I.No.37.3 in PW,P&IWTD S.R 2018-19)*								
	Chain Link Fencing	*m*							
	Parikarma Centre For Learning		*2*	*100.00*	*--*	*2.00*	***400.00***		
							400.00	***757.90***	***303160.00***
							Basic rate	*715.00*	
							Area Weightage 6%	*42.90*	
							Total	***757.90***	
10	*Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. (P.No.266 I.No.37.4 of PW,P&IWTD SR of 2018-19)*								
	Chain Link Fencing	*m*							
		2	*3*	*100.00*			***600.00***		
							600.00	***432.48***	***259488.00***
							Basic rate	*408.00*	
							Area Weightage 6%	*24.48*	
							Total	***432.48***	
11	*Providing and fixing **RCC Precast cover slab of 250mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)*								
	Near Kodigehalli Smashana	*Sqm*							
			1	*144.00*	*1.50*	*--*	*216.00*		
							216.00	***5472.00***	***1181952.00***
							Data Rate	***5472.00***	
								Total Construction Cost	***3016338.86***
								4% KRDIL Charges	***120653.55***
12								***12% GST***	***361960.66***
								Sub Total	***3498953.07***
1								***Miscellaneous and rounding off***	***1046.93***
2								***Total***	***3500000.00***

Administrative Approval
Accepted For Rs 35 Lakhs Only
P 3297
116/18-19 Dt 08.01.19

Technical Sanction
Rs 35 Lakhs Only
P 3297
203/18-19 08.01.19

Certificate.

1 *The rates adopted based on the PWD SR, Bangalore circle for year 2018-19.*
2 *The provisions made in the estimate are necessary and essential.*
3 *The workspot was inspected and work is found to be necessary.*

Executive Engineer
Kotarayanapura Division
BBMP, Bangalore-92

Desilting of Existing Storm Water Drains in ward No 8